

Form PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 018733/1292	SERIAL NO. Unassigned
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Submitted on:		APPLICANT S. V. Govindan, et al.	
		FILING DATE Unknown	GROUP ART UNIT Unknown

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	A1	5,274,076	12/28/1993	Barbet et al.	530	330	
	A2	5,273,738	12/28/1993	Matthews et al.	424	1.1	

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO
	A3	0 419 387	03/27/1991	Europe				ABST.
	A4	0 492 478	07/01/1992	Europe				
	A5	2 109 407	06/2/1983	United Kingdom				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	A6	DUMAS, P. et al., "SPECIFICITE DE L'IODOTYROSINE DESIODASE DES MICROSOMES THYROIDIENS ET HEPATIQUES", <i>Biochimica et Biophysica Acta</i> , 293, pp. 36-47, (1973), Elsevier Scientific Publishing Company
	A7	STEIN, Rhona et al., "Effects of Radiolabeling Monoclonal Antibodies with a Residualizing Iodine Radiolabel on the Accretion of Radioisotope in Tumors ¹ ", <i>Cancer Research</i> 55, pp. 3132-3139, (1995)
	A8	DEVYS, Anne et al., XP-002054227, "Comparative targeting of human colon-carcinoma multicell spheroids using one- and two-step (bispecific antibody) techniques", <i>Int. J. Cancer</i> , 67(6), 2 sheets, (1996), United 211 INSERM
	A9	BIANCHI, Paul C., "1-Pharmacology", <i>Chemical Abstracts</i> , Vol. 109, No. 25, pp. 1 and 404, (12/19/1988)
	A10	STROBEL, Jeffrey L. et al., " ¹²⁵ I-Glycoconjugate Labels for Identifying Sites of Protein Catabolism in Vivo: Effect of Structure and Chemistry of Coupling to Protein on label Entrapment in Cells after Protein Degradation ¹ ", <i>Archives of Biochemistry and Biophysics</i> , Vol. 240, No. 2, pp. 635-645, (8/1/1985)

EXAMINER 	DATE CONSIDERED 6/23/04
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* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant.

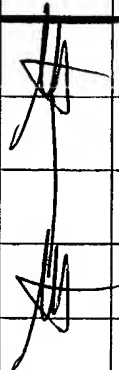
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				S. V. Govindan, et al.	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
A11	GOLDENBERG, David M., "Monoclonal Antibodies in Cancer Detection and Therapy", <u>The American Journal of Medicine</u> , Vol. 94, pp. 297-312, (March 1993), Cahners Publishing Company				
A12	FRANANO, F. Nicholas et al., "Metabolism of Receptor Targeted ¹¹¹ In-DTPA-Glycoproteins: Identification of ¹¹¹ In-DTPA-ε-lysine as the Primary Metabolic and Excretory Product", <u>Nucl. Med. Biol.</u> , Vol. 21, No. 8, pp. 1023-1034, (1994), Elsevier Science Ltd.				
A13	ALI, Seham A. et al., "Improving the Tumor Retention of Radioiodinated Antibody: Aryl Carbohydrate Adducts ¹ ", <u>Cancer Research (Suppl.)</u> 50, pp. 783s-788s, (February 1, 1999)				
A14	PAWLAK-BYCKZKOWSKA, Elizabeth J. et al., "Two New Monoclonal Antibodies, EPB01 and EPB-2, Reactive with Human Lymphoma ¹ ", <u>Cancer Research</u> 49, pp. 4568-4577, (August 5, 1989)				
A15	WILBUR, D. Scott et al., "Development of a Stable Radioiodinating Reagent to Label Monoclonal Antibodies for Radiotherapy of Cancer", <u>The Journal of Nuclear Medicine</u> , 30, pp. 216-226, (1989)				
A16	STEIN, Rhona et al., "Murine Monoclonal Antibodies Raised against Human Non-Small Carcinoma of the Lung: Specificity and Tumor Targeting ¹ ", <u>Cancer Research</u> 50, pp. 1330-1336, (February 15, 1990)				
A17	GOVINDAN, Serengulam V. et al., "Thiolations, ^{99m} Tc Labelings, and Animal In Vivo Biodistributions of Divalent Monoclonal Antibody Fragments ¹ ", <u>Bioconjugate Chem.</u> 7, pp. 290-297, (1996), American Chemical Society				
A18	HANSEN, Hans J. et al., "Characterization of Second-Generation Monoclonal Antibodies Against Charinoembryonic Antigen", <u>CANCER Vol. 71, No. 11</u> , pp. 3478-3485, (June 1, 1993), American Cancer Society				

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Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	
				Unassigned	
				Filing Date	
				First Named Inventor	
				S. V. Govindan et al.	
Date Submitted: _____				Group Art Unit	
(use as many sheets as necessary)				Unassigned	
Examiner Name				Unassigned	
Attorney Docket Number					
Sheet	3	of	3		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	A19	WO	99/11294		IMMUNOMEDICS, INC.	03-11-1999		
	A20	WO	98/08548		IMMUNOMEDICS, INC.	03-05-1998		

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶	
	A21	S.V. GOVINDAN et al., "Labeling of Monoclonal Antibodies with Diethylenetriaminepentaacetic Acid-Appended Radioiodinated Peptides Containing D-Amino Acids," Bioconjugate Chem. 1999, 10(2):231-240, American Chemical Society (XP-002202221).		
	A22	R.M. SHARKEY et al., "Advantage of residualizing radiolabels for an Internallizing antibody against the B-cell lymphoma antigen, CD22," Cancer Immunol. Immunother. (1997) Vol. 44:179-188, Springer-Verlag (XP-002202223).		
	A23	L. SHIH et al., "Localization of an antibody to CD74 (MHC class II invariant chain) to human B cell lymphoma xenografts in nude mice," Cancer Immunol. Immunother. (2000), 49:208-216, Springer-Verlag (XP-002202222).		
	A24	J.L. STROBEL et al., "I-Glycoconjugate Labes for Identifying Sites of Protein Catabolism <i>in vivo</i> : Effect of Structure and Chemistry of Coupling to Protein on Label Entrapment in Cells after Protein Degradation," Archives of Biochemistry and Biophysics (1985) 240(2):635-645, Academic Press Inc. (XP-001073950).		